

## Abstract

Synchronizer for RZ-WDM Signals and method for synchronization

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The invention is related to a synchronizer for more than one optical RZ signal in a wavelength multiplex transmission system comprising at least one variable delay line (1) with an input  
10 receiving RZ-WDM optical channels (2), at least one delay controller (3) receiving the RZ-WDM output optical channels (10), the delay controller generating a control signal depending on the power of the RZ-WDM output optical channels (10) and a control circuit (9) to control the at least one delay line (1) in such a way that the optical  
15 WDM channels are synchronized.

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(Figure 2)

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